Mountain Weather Forecast

Peak District National Park

Forecast valid from 06:00 on Sunday 16 Jul 2023 until 23:59 on Monday 17 Jul 2023

Forecast Issued on Sunday 16 Jul 2023 at 03:56

Confidence: High confidence in unsettled weather continuing through into the start of next week. Lower confidence in the details and timings of showers and rain over coming days.

Headline for Sunday 16 Jul 2023: Another blustery and unsettled day, with frequent rain and showers, heavy and possibly thundery at times. Strong winds continue.

Mountain weather hazards on Sunday 16 Jul 2023

Blizzards
No Likelihood

Gales
No Likelihood

Thunderstorms
Medium Likelihood

Heavy persistent snow
No Likelihood

Severe chill effect
No Likelihood

Heavy persistent rain
Low Likelihood

Storm force winds
No Likelihood

Poor visibility
Medium Likelihood

Strong sunlight
Medium Likelihood

Weather and chance of precipitation at 600m					
Time					
06:00	09:00	12:00	15:00	18:00	21:00
Light rain	Light rain showers	Heavy rain showers	Heavy rain showers	Thundery showers	Partly cloudy (night)
Precipitation probability					
40%	40%	70%	60%	60%	20%

Forecast for Sunday 16 Jul 2023

Weather: Early extensive cloud and rain generally affecting the western half of the park with some drier spells in the east. Rain continuing through the morning with the odd heavier burst at times, becoming more showery towards lunchtime. Showers heavy at times through the afternoon, with thunderstorms and hail also possible. Some sunnier spells possible at times during the afternoon. Showers easing into the evening.

Chance of cloud-free hill tops above 600m: 30% in the west at first, improving to 80% by midday. 50% in the east at first, improving to 90% through the morning.

Low cloud and visibility: Extensive low cloud with bases around 300-400m pushes in from the west overnight and through the morning with higher western slopes in fog. Eastern slopes fairing somewhat better, but low cloud still likely affecting higher peaks through the morning. Cloud lifting by midday and generally staying above summits through the afternoon, although could fall again in heavy showers to briefly shroud higher peaks. Visibility generally very poor through the morning in the west, with an improvement by the afternoon. Eastern areas seeing good visibility away from showers.

Check our weather forecast every day to get the most accurate and up to date information
https://www.metoffice.gov.uk/weather/specialist-forecasts/mountain
© Crown Copyright 2023. All Rights Reserved.

Met Office Mountain Weather Forecast

Forecast for Sunday 16 Jul 2023

Height (m)	Wind Speed mean/gusts (mph) Wind Direction (blowing from)						
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	31/38 W	26/33 W	21/28 W	19/26 W	17/23 W	16/24 SW	17/25 SW
300	24/32 SW	21/28 W	15/23 W	15/21 W	13/19 W	12/21 SW	13/21 SW
Valley	15/31 W	14/28 W	13/26 W	11/22 W	9/20 W	8/19 SW	8/18 SW

Height (m)	Temperature / Feels Like (°C)						
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	10/6	10/6	11/8	11/8	11/8	10/7	9/5
300	12/8	13/9	14/11	14/11	14/11	12/10	11/9
Valley	12/9	13/11	15/13	15/13	14/13	13/11	12/10
Freezing Level*	2300m	2200m	2100m	2100m	2100m	2000m	2000m

**Level above which ground is expected to be frozen/snow is expected to settle.*

Meteorologist's View

Gusty winds continuing through the day, combining with rain and showers to give some fairly treacherous walking conditions at times, especially over higher routes. High UV levels are forecast, so carrying sun protection is recommended.

Recent rainfall: measured at Cat & Fiddle: altitude 511m

Recorded at	Last 24 hours:	Last 48 hours:	Last 72 hours:
02:00 on Sun 16 Jul 2023	23.4mm	28.8mm	28.8mm

Forecast for Monday 17 Jul 2023

Weather: A bright start in places with sunny spells, mainly in the east. Some low cloud shrouding western slopes with some light rain at times. A few showers likely breaking out around midday, but drying off into the afternoon with more prolonged sunny spells developing.

Maximum wind: Westerly 15-20mph, gusting up to 30mph. Easing through the afternoon and evening.

Chance of cloud-free hill tops above 600m: 40% in the west at first, 80% in the east. Improving to 90% everywhere by midday.

Low cloud and visibility: Banks of low cloud affecting higher western upslopes through the morning, giving some poorer visibilities, especially in any rain. Cloud lifting above summits through the morning, with clear skies developing at times through the afternoon and visibilities markedly improving.

Temperature: **Valleys:** Plus 11 Celsius, rising to Plus 16 Celsius.
At 600m: Plus 8 Celsius, rising to Plus 13 Celsius.
Freezing level: Above summits.

Check our weather forecast every day to get the most accurate and up to date information
https://www.metoffice.gov.uk/weather/specialist-forecasts/mountain
© Crown Copyright 2023. All Rights Reserved.